

- 19.** For a mobile device, a method comprising:
 from a particular application installed on the mobile device, retrieving a list of web domains stored with the particular application;
 for a particular web domain in the list of web domains, retrieving a list of applications allowed access to user interaction data for the particular web domain;
 when the particular application is on the list of applications retrieved from the particular web domain, storing a verified relationship between the particular application and the particular web domain.
- 20.** The method of claim **19**, wherein each web domain in the list of web domains is paired with a type of user interaction data and each application in the list of applications is paired with a type of user interaction data.
- 21.** The method of claim **20**, wherein the verified relationship is only stored between the particular application and the particular web domain when a particular type of user interaction data is paired with both the particular application and the particular web domain.
- 22.** The method of claim **21**, wherein the verified relationship is stored as a record in a database that indicates the particular application, particular web domain, and the particular type of user interaction data.
- 23.** The method of claim **20**, wherein at least one web domain is listed more than once in the list of web domains and paired with several types of user interaction data.
- 24.** The method of claim **19** further comprising:
 receiving a request from the particular application to utilize user interaction data stored on the mobile device based on interaction with the particular web domain;
 based on the stored verified relationship, granting the particular application access to the requested user interaction data.
- 25.** A device comprising:
 a memory; and
 at least one processor configured to:
 from a first interface to a third-party web service, receive a request to utilize user data stored on the

- device relating to user interaction with the third-party web service through a second interface to the third-party web service;
 determine whether the first and second interfaces to the third-party web service are verified to share the user data relating to the third-party web service; and
 allow the first interface to access and utilize the user data stored on the device exclusively when the first and second interfaces are verified to share the user data.
- 26.** The device of claim **25**, wherein the at least one processor is configured to determine whether the first and second interfaces are verified to share the user data by querying a database for a 3-tuple of the first interface, the second interface, and a type of data requested.
- 27.** The device of claim **25**, wherein the request is received through an API exposed to the first interface.
- 28.** The device of claim **25**, wherein the first interface comprises an application specific to the third-party web service and the second interface comprises a web page of the third-party web service accessed through a web browser.
- 29.** The device of claim **25**, wherein the first and second interfaces comprise first and second web pages of the third-party web service accessed through a web browser, wherein the first and second web pages are accessed at different web domains.
- 30.** The device of claim **25**, wherein the at least one processor is further configured to allow the first interface to locally access, on the device, the user data stored on the device exclusively when the first and second interfaces are verified to share the user data.
- 31.** The device of claim **30**, wherein the user data stored on the device comprise a login credential for the third-party web service.
- 32.** The machine readable medium of claim **13**, wherein the user data stored on the electronic device comprise a login credential for the third-party web service.

* * * * *